

AMENDMENT TO THE CLAIMS

1.(Original) An air supply device comprising:

a compression mechanism section having a stationary scroll and an orbiting scroll held in engagement with each other;

a drive section for driving the compression mechanism section;

the compression mechanism section and the drive section having a common shaft, by way of which the orbiting scroll is caused to undergo an orbiting motion with respect to the stationary scroll to thereby compress air sucked into the compression mechanism section;

a plurality of rotation constraint members for preventing rotation of the orbiting scroll about its own axis, but allowing the orbiting scroll to orbit relative to the stationary scroll;

a plurality of first grease-filled bearings for rotatably supporting the common shaft;

a plurality of second grease-filled bearings for rotatably supporting the orbiting scroll;

a plurality of third grease-filled bearings for rotatably supporting each of the rotation constraint members;

each of the second bearings having an outer ring, an inner ring, a plurality of rolling elements interposed between the outer and inner rings, and two sealing materials disposed on respective sides of the plurality of rolling elements, each of the sealing

materials having an inner end held in contact with the inner ring and an outer end held in contact with the outer ring.

2.(Original) The air supply device according to claim 1, wherein each of the sealing materials has an inner bent portion that has been bent towards a low-pressure side from a high-pressure side, the inner bent portion being held in contact with the inner ring.

3.(Currently Amended) The air supply device according to claim 1 ~~or 2~~, wherein one of acrylic rubber, Teflon rubber and fluoro rubber is used for the sealing materials.

4.(Currently Amended) The air supply device according to ~~any one of claims 1 to 3~~ claim 1, wherein each of the rotation constraint members comprises a crankpin having an insertion portion inserted into an associated one of the third bearings, the insertion portion having a groove defined in a surface thereof so as to extend parallel to a longitudinal axis thereof.

5.(Currently Amended) The air supply device according to ~~any one of claims 1 to 4~~ claim 1, wherein the compression mechanism section has a plurality of recesses defined therein into each of which one of the third bearings is press fitted, each of the plurality of recesses having a groove defined in an inner surface thereof so as to extend parallel to a longitudinal axis of an associated one of the rotation constraint members.

6.(Currently Amended) The air supply device according to claim ~~4 or 5~~, wherein the groove has a width and a depth both in a range of 0.1mm to 1.0mm.

7.(New) The air supply device according to claim 5, wherein the groove has a width and a depth both in a range of 0.1mm to 1.0mm.